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PTO/SB/21 (02-04)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/980,804	
	Filing Date	December 3, 2001	
	First Named Inventor	Otvos	
	Art Unit	1653	
	Examiner Name	Hope A. Robinson	
Total Number of Pages in This Submission	5	Attorney Docket Number	WST91BUSA

ENCLOSURES (Check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	HOWSON AND HOWSON Mary E. Bak
Signature	<i>Mary E. Bak</i>
Date	September 28, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 09/980,804 Confirmation No.: 8353
Applicant : Otvos
Filed : December 3, 2001
TC/A.U. : 1653
Examiner : Hope A. Robinson
Customer No. : 00270
Title : NOVEL PYRRHOCORICIN-DERIVED PEPTIDES AND METHODS
OF USE THEREOF

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

FIFTH INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit to the Examiner the attached Form PTO/SB/08A document listing and this paper pursuant to 37 CFR § 1.56 and § 1.97-1.98. Form PTO/SB/08A is attached and copies of the documents are enclosed herewith. This Information Disclosure Statement is submitted more than three months from the filing date of this application and after the receipt of a first Office Action. Therefore, the fee of \$180.00 is enclosed herewith.

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Signature Kelly A. Karstaedt
Name Kelly A. Karstaedt

The Director is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees to our Deposit Account Number 08-3040.

REMARKS

Listed below are documents cited in the European Search Report dated August 11, 2004 in the related European Patent Application No. 01902126.0, filed January 19, 2001. All of the documents were cited in previous Information Disclosures Statements, with the exception of documents (BL) and (BM), i.e., International Patent Publication Nos. WO-94/25616 and WO-98/39011. A copy of the Report is enclosed, together with copies of International Patent Publication Nos. WO-94/25616 and WO-98/39011.

- (i) International Patent Publication No. WO-00/78956, published December 28, 2000
- (ii) International Patent Publication No. WO-93/14118, published July 22, 1993
- (iii) International Patent Publication No. WO-94/25616, published November 10, 1994 (item BL)
- (iv) International Patent Publication No. WO-96/36707, published November 21, 1996
- (v) International Patent Publication No. WO-96/40928, published December 19, 1996
- (vi) International Patent Publication No. WO-98/39011, published September 11, 1998 (item BM)
- (vii) International Patent Publication No. WO-98/40401, published September 17, 1998
- (viii) CASTLE et al., "Lethal Effects of Apidaecin on *Escherichia coli* Involve Sequential Molecular Interactions with Diverse Targets", *J. Biol. Chem.*, **November 1999**, 274(46): 32555-32564

- (ix) HOFFMANN et al., "Range of Activity and Metabolic Stability of Synthetic Antibacterial Glycopeptides from Insects", *Biochimica et Biophysica Acta*, **February 1999**, 1426: 459-467
- (x) LIANG et al., "Not Only the Nature of Peptide but Also the Characteristics of Cell Membrane Determine the Antimicrobial Mechanism of a Peptide", *J. Peptide Res.*, **May 1999**, 53(5):518-522

The Examiner is respectfully requested to consider the enclosed documents identified in this paper and in the attached Form PTO/SB/08A during the course of examination of this application.

Respectfully submitted,

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